



CORRESPONDING AMENDMENT IN THE SPECIFICATION ACCOMPANYING
THE REQUEST FOR INTERNATIONAL PRELIMINARY EXAMINATION:

Another object of the invention is to provide a portable
communicator having enhanced operability.

DISCLOSURE OF THE INVENTION

A portable communicator according to the invention is
provided with a portable housing, wireless communication
means provided in the housing and wirelessly connected to a
public communication channel for transmitting or receiving
via the public communication channel, and a portable computer
provided in the housing for directing control command to the
wireless communication means, entering data via the wireless
communication means through the public communication channel,
or transmitting data via the wireless communication means
through the public communication channel. This provision
forms a basic construction.

Furthermore, the portable computer is provided with pen
input means having a function to enter a facsimile number by
writing the facsimile number with a pen.

The portable computer also has a function of receiving
the latest data from the connected main control unit and
updating memory content. The data updating is incorporated
in the ordinary communication.

The portable computer has a function of exchanging data
with a finance center, executing the payment process, deposit
process or other financial process, and printing process

results on a passbook. Therefore, the passbook does not have to be kept by the financial salesman, which is convenient for clients.

The portable computer has a function of transmitting the position information of the current position, regardless of intention of a telephoner during making a telephone call by operating the portable communicator. Therefore, even in case of emergency, the place where the telephoner is can be exactly transmitted to the telephone.

The portable computer has a function of extracting the feature of the vicinity of the current position from the current position information and transmitting the feature.

The portable computer also has a function of selecting an individual, company or official agent having the shortest distance or travel from a plurality of individuals, companies and official agencies providing a specified service, based on the position information.

The portable computer is adapted to communicate with another wireless communication network. Therefore, by using the desired communication network, wireless communication can be made.

The portable computer detects people's countenance, and transmits or receives data based on the countenance.

According to another aspect of the invention, a communication system is composed of a center unit and a terminal unit wirelessly connectable to the center unit. When the user of the terminal unit instructs the center unit

to provide places to drop in, the center unit retrieves route information and map information from the set memory means, and transmits to the terminal unit the retrieved route information and map information. The route information is displayed together with the map information transmitted from the center unit on the display means of terminal nit.

In the invention of another aspect, the center unit is provided with route set means for setting the route for efficiently traveling the places, in response to receipt from the terminal unit of the information of a plurality of places to drop in.

According to another aspect of the invention, a computer data output unit transmits a specified signal to a computer for transmitting information and receiving a response signal of the corresponding information. The computer data output unit is provided with an image data base for storing a plurality of image information regarding the prepared people's countenance, image detection means for detecting image, image retrieval means for retrieving from the image data base the image information regarding the people's countenance of the image similar to the detected image, and retrieval signal output means for transmitting to the computer a signal corresponding to the image information regarding the people's countenance of the similar image.

The image information transmission unit of further aspect of the invention is provided with pen input means that can enter character or drawing information by operating a

pen, conversion means for converting the character information entered by the pen input means to a specified code, designation means for determining that the information entered by the pen input means is a the facsimile number, and transmission means for transmitting the character or drawing information entered by the pen input means or the code converted by the conversion means based on the facsimile number of the addressee designated by the designation means.

In further aspect, the invention provides a pen input unit provided with pen input means that can enter character or drawing information by operating a pen, display means for displaying the character information entered by the pen input means, and display control means for compressing the previously entered characters when the number of characters to display on the display means exceeds the predetermined number of characters and displaying newly entered characters in an uncompressed condition.

In another aspect of the invention a wireless communication unit is provided with wireless communication means wirelessly connected to a public communication channel for transmitting or receiving via the public communication channel, call means having a transmitter and receiver for making a call via the wireless communication means, message memory means for storing a plurality of predetermined message, message selection means for selecting the desired message from a plurality of message stored in the message memory means, a phonetic processor for transmitting a

phonetic signal corresponding to the message selected by the message selection means, and transmission control means for transmitting the phonetic signal transmitted from the phonetic processor not via the call means but via the wireless communication means. Therefore, even if a telephone call is transmitted during an important meeting, the call can be answered with the message. The meeting can thus proceed without being interrupted.

According to another aspect of the invention, a wireless communication unit is provided with wireless communication means wirelessly connected to a public communication channel for transmitting or receiving via the public communication channel, character data conversion means for converting the phonetic signal received by the wireless communication means into character data, display means for displaying the character data converted by the character data conversion means, input means for entering the transmission content to transmit as the character data, phonetic signal conversion means for converting the character data entered by the input means into a phonetic signal and transmission control means for transmitting the phonetic signal converted by the phonetic signal conversion means via the wireless communication means.

In another aspect of the invention, a current position guide unit is provided with place name memory means for storing a plurality of position data and the place name data corresponding to respective position data, position detection

means for detecting the current position using GPS, retrieval means for retrieving the place name data corresponding to the position data from the memory means in response to detection of the current position by the position detection means, and phonetic guide means for announcing the place name data retrieved by the retrieval means.

BRIEF EXPLANATION OF DRAWING FIGURES

Fig. 1 is a perspective view of a personal communicator 1 in the first embodiment.

Fig. 2 is a perspective view of the personal communicator 1 in a closed condition.

Fig. 3 is a block diagram of the personal communicator 1.

Fig. 4 is an explanatory view of a display 15.

Fig. 5 is an explanatory view of the control over display.

Fig. 6 is a flowchart of the processing routine for the display control.

Fig. 7 is a flowchart of the processing routine for the monitor control.

Fig. 8 shows the personal communicator 1 on standby and being charged.

Fig. 9 is a flowchart of the processing routine for communicator control.